

METHODS AND APPARATUS FOR ADAPTIVE EQUALIZATION

ABSTRACT OF THE DISCLOSURE

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According to the present invention, methods and apparatus are provided for improving the signal quality of received transmission. An adaptive equalizer includes multiple output delay lines. One output delay line is configured to provide gradient elements. Another output delay line is configured with coefficient multipliers calculated using the gradient elements. The coefficient multipliers are used to alter a received signal to more closely correspond to an expected signal. The adaptive equalizer can be used in systems such as optical transceivers.

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